

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	73	(US-20030232708-\$ or US-20060249577-\$ or US-20070186515-\$ or US-20040222234-\$ or US-20020117578-\$ or US-20020109035-\$ or US-20040134924-\$ or US-20020153657-\$ or US-20010034263-\$ or US-20060035698-\$ or US-20060138167-\$ or US-20040082454-\$ or US-20070198127-\$ or US-20070051744-\$).did. or (US-3586207-\$ or US-3837549-\$ or US-4230204-\$ or US-3503481-\$ or US-4407473-\$ or US-RE34324-\$ or US-5509570-\$ or US-5174413-\$ or US-5641039-\$ or US-6006495-\$ or US-3685691-\$ or US-4325494-\$ or US-4802606-\$ or US-6409081-\$ or US-6681896-\$ or US-4540106-\$ or US-7156260-\$ or US-3707826-\$ or US-5028044-\$ or US-3949918-\$ or US-6892620-\$ or US-3125266-\$ or US-5335485-\$ or US-5167301-\$ or US-3720409-\$ or US-3754370-\$).did. or (US-4912906-\$ or US-6412679-\$ or US-4738176-\$ or US-3843218-\$ or US-RE34856-\$ or US-6412655-\$ or US-6866470-\$ or US-4738384-\$ or US-5860529-\$ or US-4354408-\$ or US-6886728-\$ or US-7032793-\$ or US-3672494-\$ or US-5269423-\$ or US-3749218-\$ or US-3050214-\$ or US-1477501-\$ or US-4239202-\$ or US-4032038-\$ or US-4043484-\$ or US-5249787-\$ or US-5833230-\$).did. or (US-2021659-\$ or US-2673016-\$ or US-2958990-\$ or US-3051286-\$ or US-3087647-\$ or US-3168212-\$ or US-3521879-\$ or US-1931246-\$).did. or (GB-2408501-\$).did. or (DE-4034863-\$ or US-3590696-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	ADJ	ON	2009/01/15 16:20
S2	231	(221/34).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:35

S3	41	(221/42).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:36
S4	85	(221/43).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:37
S5	47	(221/153).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:44
S6	102	(221/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:44
S7	166	(221/203).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:45
S8	147	(221/222).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:45
S9	48	(221/230).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:46
S10	188	(221/231).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:47
S11	767	(221/232).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:58
S12	383	(221/258).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:58
S13	345	(221/265).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/15 16:59
S14	705364	(stack\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:01
S15	482960	S14 and (platform or plat or base or wall)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:01
S16	261364	S15 and (shaft or rod or pole or arm or spindle or tube)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:02
S17	175107	S16 and (rotat\$3 or rotatable or rotatably or rotated or rotary or roller or rolling or whell or rollers or rotation)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:03
S18	119381	S17 and (upright or vertical or vertically or vertically)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:03
S19	62891	S18 and (dispens\$3 or feed\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:04
S20	5880	S19 and (bag\$1)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:04
S21	259	S20 and ("221".clas.)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/15 17:04
S22	18	("0416340" "1530209" "1659167" "2858047" "3180518" "3888479").PN. OR ("4043484").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/15 17:06
S23	1	("1659167").URPN.	USPAT	ADJ	ON	2009/01/15 17:08

S24	0	de "4034863"	USPAT	ADJ	ON	2009/01/15 17:09
S25	0	de4034863	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/15 17:09
S26	2	de "4034863"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/15 17:10
S27	373	(221/1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 10:45
S28	521	(221/2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 10:51
S29	136	(221/4).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 10:58
S30	126	(221/5).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:01
S31	128	(221/8).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:02
S32	307	(221/9).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:04
S33	427	(221/13).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:10
S34	36	(221/18).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:16
S35	105	(221/22).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:16
S36	213	(221/26).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:18
S37	214	(221/33).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:26
S38	231	(221/34).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:28
S39	152	(221/36).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:31
S40	41	(221/42).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:35
S41	85	(221/43).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:40
S42	74	(221/58).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:45
S43	193	(221/59).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:47
S44	38	(221/60).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:50
S45	73	(221/74).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:50

S46	128	(221/76).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:51
S47	62	(221/77).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:52
S48	27	(221/78).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:59
S49	256	(221/92).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:59
S50	123	(221/151).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:03
S51	47	(221/153).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:05
S52	65	(221/208).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:06
S53	129	(221/209).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:06
S54	383	(221/210).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:08
S55	61	(221/217).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:10
S56	50	(221/218).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:11
S57	134	(221/220).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:11
S58	188	(221/231).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:12
S59	71	(221/235).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:13
S60	188	(221/239).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:14
S61	506	(221/251).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:14
S62	301	(221/254).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:18
S63	121	(221/255).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:20
S64	168	(221/256).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:20
S65	71	(221/257).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:20
S66	383	(221/258).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:21
S67	353	(221/259).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:21
S68	265	(221/260).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:24
S69	96	(221/261).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:24
S70	217	(221/262).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:25

S71	502	(221/277).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:25
S72	461	(221/279).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:26
S73	47	(221/280).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:27
S74	0	("typewriter").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/16 13:05
S75	26389	typewriter	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:05
S76	1699	S75 and (rotatable with shaft)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:06
S77	106	S76 and (dispens\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:06
S78	997582	(stack\$2 or clip)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:08
S79	1643377	(roller\$1 or wheel\$1)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:09
S80	3401794	(shaft or rod or pin or pole)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:09
S81	3426131	(rotatable or rotatably or rotate or rotated or rotary or rotational or rotated or rotating or rotationaly or rotat\$3 or wind)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:10
S82	6394059	(plate or platform or support or base or divider)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:11
S83	3332892	(dispens\$3 or feed\$3 or distribut \$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:12
S84	111133	S78 same S79 same S80 same S81 same S82 same S83	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:12
S85	344	S78 with S79 with S80 with S81 with S82 with S83	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:13
S86	0	("2006/0070536").URPN.	USPAT	ADJ	ON	2009/01/16 13:15
S87	0	("2006/0033258").URPN.	USPAT	ADJ	ON	2009/01/16 13:15
S88	0	("2005/0140081").URPN.	USPAT	ADJ	ON	2009/01/16 13:15
S89	0	("2003/0057633").URPN.	USPAT	ADJ	ON	2009/01/16 13:16

S90	12	("0538152" "1527737" "1886694" "2290086" "4941591").PN. OR ("6068157").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 13:17
S91	0	("3451142").URPN.	USPAT	ADJ	ON	2009/01/16 13:19
S92	997582	(stack\$2 or clip)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S93	1643377	(roller\$1 or wheel\$1)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S94	3401794	(shaft or rod or pin or pole)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S95	3426131	(rotatable or rotatably or rotate or rotated or rotary or rotational or rotated or rotating or rotationally or rotat\$3 or wind)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S96	6394059	(plate or platform or support or base or divider)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S97	3332892	(dispens\$3 or feed\$3 or distribut \$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S98	11133	S92 same S93 same S94 same S95 same S96 same S97	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:22
S99	503	S98 and (bag\$1)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:23
S100	10056	bag with dispens\$3	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:45
S101	4352	S100 and (rotatable or rotatably or rotate or rotated or rotary or rotational or rotated or rotating or rotationally or rotat\$3 or wind)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:45
S102	1488	S101 and (stack\$2 or clip)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 13:45
S103	32	("2874886" "3298580" "3328939" "3477196" "3579948").PN. OR ("3754370").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/01/16 14:08
S104	7215	S98 and (motor or transmission)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 14:10
S105	0	("2623761").URPN.	USPAT	ADJ	ON	2009/01/16 14:14
S106	756	(271/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/01/16 14:24

S107	190	stack with continuous with bag	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 14:35
S108	418	((stack with bag) same (roll with bag))	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 15:28
S109	131	S108 and (dispens\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 15:35
S110	7052	stack\$2 with bag\$1	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 16:42
S111	3879	S110 and (rotat\$3 or rotatable or rotatably or rotated or rotary or roller or rolling or whell or rollers or rotation)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 16:42
S112	868	S111 and (dispens\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 16:42
S113	109	S112 and ("221".clas.)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 16:43
S114	1	jp "03200517"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/01/16 16:55
S115	72	(US-20050061825-\$ or US-20040245264-\$ or US-20030057633-\$).did. or (US-1477501-\$ or US-3050214-\$ or US-3503481-\$ or US-3586207-\$ or US-3707826-\$ or US-3754370-\$ or US-3837549-\$ or US-3843218-\$ or US-4043484-\$ or US-4230204-\$ or US-5167301-\$ or US-5174413-\$ or US-RE34324-\$ or US-5269423-\$ or US-6006495-\$ or US-6409081-\$ or US-3107770-\$ or US-0604113-\$ or US-1918460-\$ or US-2434454-\$ or US-3117694-\$ or US-3126122-\$ or US-1357071-\$ or US-0531250-\$ or US-2396411-\$ or US-4469246-\$).did. or (US-4473172-\$ or US-3260402-\$ or US-4506800-\$ or US-3246797-\$ or US-0730997-\$ or US-0333073-\$ or US-0342101-\$ or US-0363379-\$ or US-0369642-\$ or US-0747344-\$ or US-0965780-\$ or US-1456790-\$ or US-2713486-\$ or US-3008606-\$ or US-3028046-\$ or US-3317082-\$ or US-0930619-\$ or US-0410045-\$ or US-0444502-\$ or US-2380345-\$ or US-0847688-\$ or US-	US-PGPUB; USPAT; USOCR; JPO; DERWENT	ADJ	ON	2009/01/16 17:25

		1312449-\$ or US-3306491-\$ or US-2200823-\$ or US-3087647-\$ or US-2623761-\$ or US-1988732-\$).did. or (US-3154216-\$ or US-4968882-\$ or US-6068157-\$ or US-4658962-\$).did. or (US-2021659-\$ or US-2958990-\$ or US-3051286-\$ or US-3087647-\$ or US-3168212-\$ or US-3521879-\$ or US-1659167-\$ or US-3494232-\$ or US-3451142-\$ or US-3154216-\$).did. or (JP-03200517-\$).did. or (DE-4034863-\$).did.				
S116	13	S115 and Handle	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 17:25
S117	11	S116 and (bag\$1)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/01/16 17:26
S118	29	"444502"	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/04/29 09:09
S119	1	("0444502").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:09
S120	1	("444502").URPN.	USPAT	ADJ	ON	2009/04/29 09:25
S121	41	(221/42).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:25
S122	85	(221/43).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:27
S123	135	(221/226).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:30
S124	190	(221/231).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:31
S125	508	(221/277).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:33
S126	465	(221/279).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/29 09:36
S127	758	bag same (newspaper)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 13:53
S128	494	bag with (newspaper)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 13:53
S129	65	S128 and (dispens\$3)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 13:57
S130	23	("1246923" "2477059" "2730310" "2747498" "3017021" "3357344" "3779152" "3903789" "4511042" "4583678").PN. OR ("4993318").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/01 14:01

S131	2	((("4296873") or ("4410104"))).PN.	US-PGPUB; USPAT	OR	OFF	2009/05/01 15:25
S132	2	S131 and (newspaper with bag)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 15:26
S133	1	("6006495").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/01 15:41
S134	1	("20010032859").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/01 16:02
S135	85	(US-20050061825-\$ or US-20040245264-\$ or US-20030057633-\$ or US-20010032859-\$.did. or (US-1477501-\$ or US-3050214-\$ or US-3503481-\$ or US-3586207-\$ or US-3707826-\$ or US-3754370-\$ or US-3837549-\$ or US-3843218-\$ or US-4043484-\$ or US-4230204-\$ or US-5167301-\$ or US-5174413-\$ or US-RE34324-\$ or US-5269423-\$ or US-6006495-\$ or US-6409081-\$ or US-3107770-\$ or US-0604113-\$ or US-1918460-\$ or US-2434454-\$ or US-3117694-\$ or US-3126122-\$ or US-1357071-\$ or US-0531250-\$ or US-2396411-\$ or US-4469246-\$.did. or (US-4473172-\$ or US-3260402-\$ or US-4506800-\$ or US-3246797-\$ or US-0730997-\$ or US-0333073-\$ or US-0342101-\$ or US-0363379-\$ or US-0369642-\$ or US-0747344-\$ or US-0965780-\$ or US-1456790-\$ or US-2713486-\$ or US-3008606-\$ or US-3028046-\$ or US-3317082-\$ or US-0930619-\$ or US-0410045-\$ or US-0444502-\$ or US-2380345-\$ or US-0847688-\$ or US-1312449-\$ or US-3306491-\$ or US-2200823-\$ or US-3087647-\$ or US-2623761-\$ or US-1988732-\$.did. or (US-3154216-\$ or US-4968882-\$ or US-6068157-\$ or US-4658962-\$ or US-1553954-\$ or US-1403007-\$ or US-1106559-\$ or US-1069747-\$ or US-0803343-\$ or US-0800072-\$ or US-4509738-\$ or US-0592811-\$ or US-3674176-\$ or US-4993318-\$ or US-4410104-\$ or US-4296873-\$.did. or (US-2021659-\$ or US-2958990-\$ or US-3051286-\$ or US-3087647-\$ or US-3168212-\$ or US-3521879-\$ or US-1659167-\$ or US-3494232-\$ or US-3451142-\$ or US-3154216-\$.did. or (JP-03200517-\$.did. or (DE-4034863-\$.did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	ADJ	ON	2009/05/01 16:04

S136	11	(US-3754370-\$ or US-3503481-\$ or US-5641039-\$ or US-2623761-\$ or US-0410045-\$ or US-4473172-\$ or US-4296873-\$).did. or (US-2021659-\$ or US-3168212-\$ or US-1659167-\$ or US-3154216-\$).did.	USPAT; USOCR	ADJ	ON	2009/05/01 16:05
S137	73	(US-20030232708-\$ or US-20060249577-\$ or US-20070186515-\$ or US-20040222234-\$ or US-20020117578-\$ or US-20020109035-\$ or US-20040134924-\$ or US-20020153657-\$ or US-20010034263-\$ or US-20060035698-\$ or US-20060138167-\$ or US-20040082454-\$ or US-20070198127-\$ or US-20070051744-\$).did. or (US-3586207-\$ or US-3837549-\$ or US-4230204-\$ or US-3503481-\$ or US-4407473-\$ or US-RE34324-\$ or US-5509570-\$ or US-5174413-\$ or US-5641039-\$ or US-6006495-\$ or US-3685691-\$ or US-4325494-\$ or US-4802606-\$ or US-6409081-\$ or US-6681896-\$ or US-4540106-\$ or US-7156260-\$ or US-3707826-\$ or US-5028044-\$ or US-3949918-\$ or US-6892620-\$ or US-3125266-\$ or US-5335485-\$ or US-5167301-\$ or US-3720409-\$ or US-3754370-\$).did. or (US-4912906-\$ or US-6412679-\$ or US-4738176-\$ or US-3843218-\$ or US-RE34856-\$ or US-6412655-\$ or US-6866470-\$ or US-4738384-\$ or US-5860529-\$ or US-4354408-\$ or US-6886728-\$ or US-7032793-\$ or US-3672494-\$ or US-5269423-\$ or US-3749218-\$ or US-3050214-\$ or US-1477501-\$ or US-4239202-\$ or US-4032038-\$ or US-4043484-\$ or US-5249787-\$ or US-5833230-\$).did. or (US-2021659-\$ or US-2673016-\$ or US-2958990-\$ or US-3051286-\$ or US-3087647-\$ or US-3168212-\$ or US-3521879-\$ or US-1931246-\$).did. or (GB-2408501-\$).did. or (DE-4034863-\$ or US-3590696-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	ADJ	ON	2009/05/01 16:05
S138	5	(US-20010032859-\$).did. or (US-0444502-\$ or US-4296873-\$ or US-3503481-\$ or US-0800072-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/05/01 16:05

S139	0	("L9orL10orL11orL12").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/01 16:05
S140	132	S135 or S136 or S137 or S138	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 16:05
S141	46	S140 and (bar)	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 16:05
S142	86	S140 not S141	US-PGPUB; USPAT; USOCR; EPO	ADJ	ON	2009/05/01 16:07
S143	1	("1988732").PN.	US-PGPUB; USPAT	OR	OFF	2009/05/01 17:57
S146	1	"11976311"	US-PGPUB; USPAT; USOCR; EPO; DERWENT	ADJ	ON	2011/06/08 12:17

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